

# WASHINGTON BREAKFAST CLUB

17:APRIL:2008



**TRANSITIONING TO SUPPORT AN  
EXPEDITIONARY ARMY AT WAR**

**LTC Jeff Sorenson**

*Chief Information Officer/G-6*

AMERICA'S ARMY: THE STRENGTH OF THE NATION  
**ARMY STRONG**



# Agenda



## Persistent Conflict & Army Initiatives

## Army Imperatives & Restoring Balance

## CIO/G-6 Focus Areas

- ◆ Network Service Centers
- ◆ Cyber Operations/Warfare
- ◆ CIO/G-6 500-Day Plan
- ◆ Knowledge Management & Data Czar
- ◆ Program Objective Memorandum 2010-2015

## Conclusions



# Era of Persistent Conflict





# 7 Army Initiatives

1. Accelerate growth and readiness improvements
2. ***Enhance the quality of support to Soldiers, Civilians, and Families***
3. Maintain the continuity and momentum of modernization
4. Complete Reserve Component transition to an Operational Force
5. ***Accelerate change in leader development to grow leaders for tomorrow's strategic environment***
6. ***Adapt institutional policies, programs, and procedures to support an expeditionary Army at war***
7. Build strategic communication capabilities to effectively communicate with internal and external audiences



# 4 Army Imperatives

2008  
**CURRENT**



- Demand Exceeding Supply
- Counterinsurgency-Focused Force
- Accelerated Equipment Wear-Out
- Soldier and Family Stress

Restoring Balance



## IMPERATIVES

- **Sustain**
- **Prepare**
- **Reset**
- **Transform**

2011  
**FUTURE**








- Steady-State Achieved via Army Force Generation Process
- Full Spectrum Readiness
- Reconditioning and Recapitalization of Equipment
- Better Facilities and Increased Dwell Time for Soldiers



# CIO/G-6 Focus Areas



-  **Network Service Centers**
-  **Cyber Operations/Warfare**
-  **CIO/G-6 500-Day Plan**
-  **Knowledge Management & Data Czar**
-  **Program Objective Memorandum 2010-2015**



# A Soldier's Story



## OPERATIONAL IT/DATA REQUIREMENTS:

**NETWORK – constantly changing**

**E-MAIL ADDRESS – constantly changing/multiple**

**TELEPHONE NUMBER – constantly changing/multiple**

**COLLABORATION TOOLS – constantly changing**

**FILE STORAGE SYSTEM – constantly changing**

**Garrison**

808-555-2020

U.S. ARMY **AKO** ARMY KNOWLEDGE ONLINE

**AKO-S**

**(NIPR/SIPR)**

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## Garrison



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**Power Projection**



**AKO-S**  
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## Deployed








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**iridium**

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# A Soldier's Story

## Garrison



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## Ideal End-State

Universal E-Mail Address

Universal File Storage

One Telephone Number

Standard Collaboration

Tool Set



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# Regional Hub Nodes

- **Five locations to provide complete & overlapping coverage of Combatant Command Areas of Responsibility (AOR)**
- All connected to the Global Information Grid (GIG)
  - Focus on Intertheater vs. Reachback via Teleports
  - Support Army/USMC Units & Comm-on-the-Move

Regional Hub Nodes (RHN) –  
5 Planned Locations World Wide



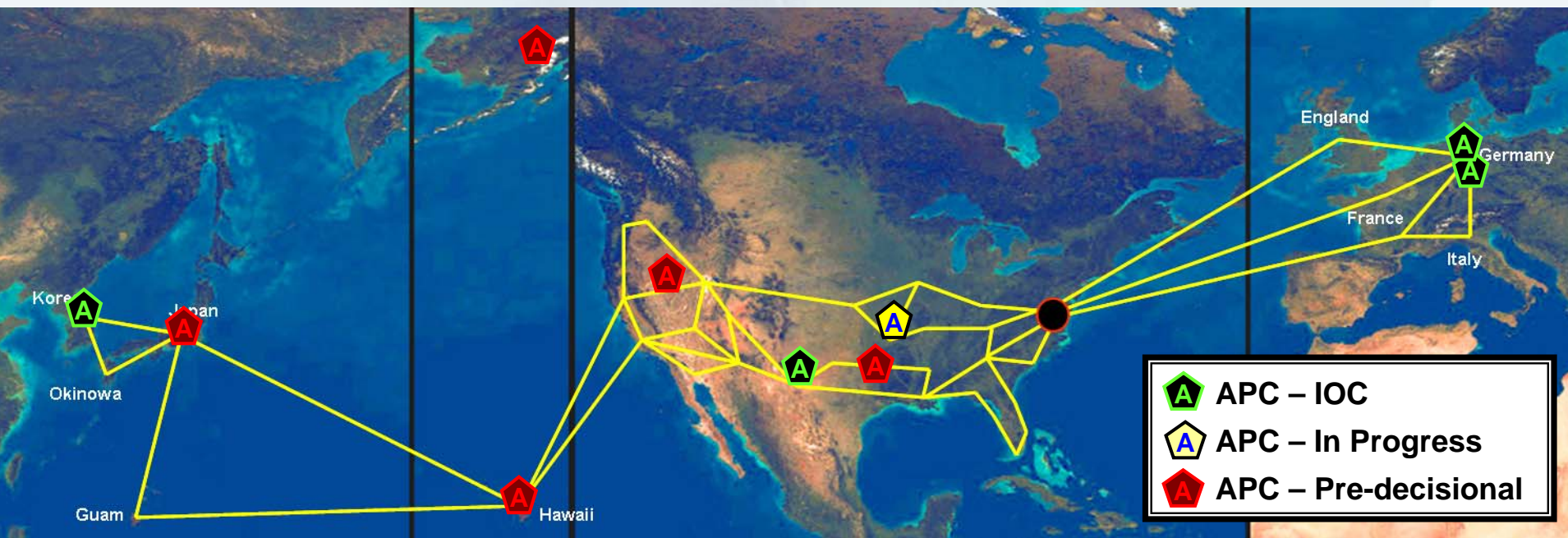






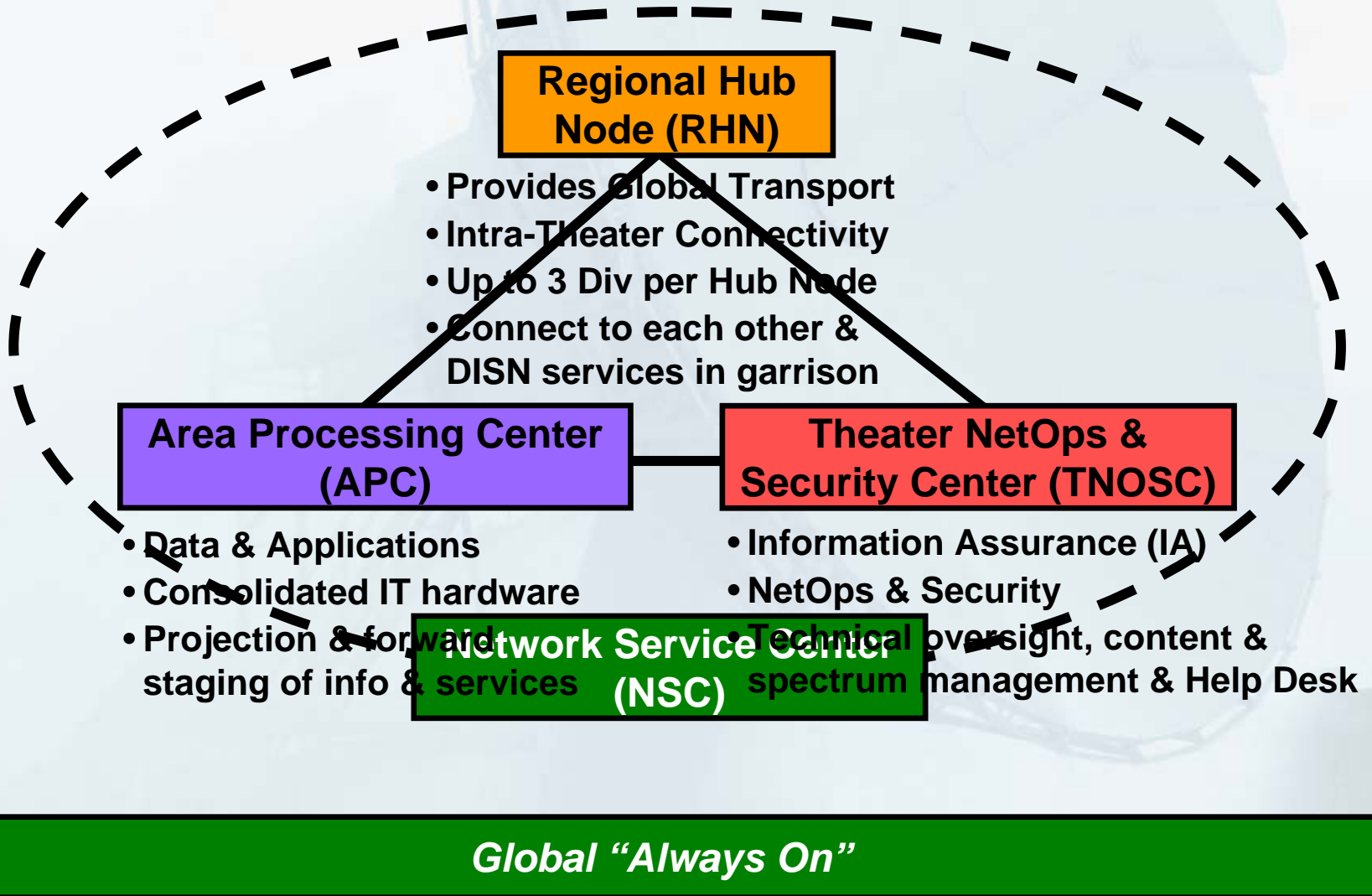
# Area Processing Centers

- The purpose of the APC initiative is to improve delivery services through:
- Achieving Net-Centric Operations and Warfare Environment
  - Improving IA and Security Posture
  - Reducing Total Cost of Ownership (TCO) for Information Technology










# Network Service Center – Concept





# CIO/G-6 Focus Areas

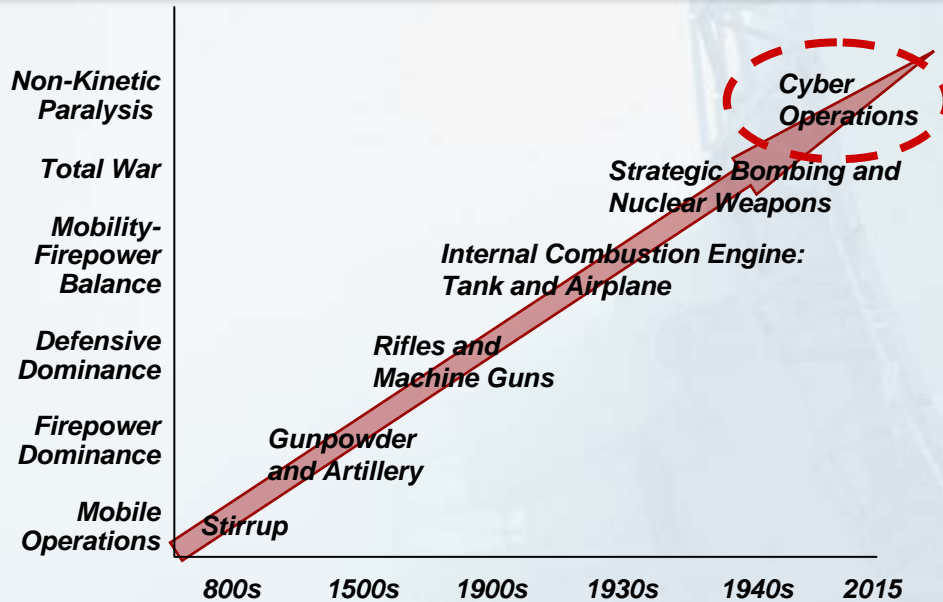


-  **Network Service Centers**
-  **Cyber Operations/Warfare**
-  **CIO/G-6 500-Day Plan**
-  **Knowledge Management & Data Czar**
-  **Program Objective Memorandum 2010-2015**

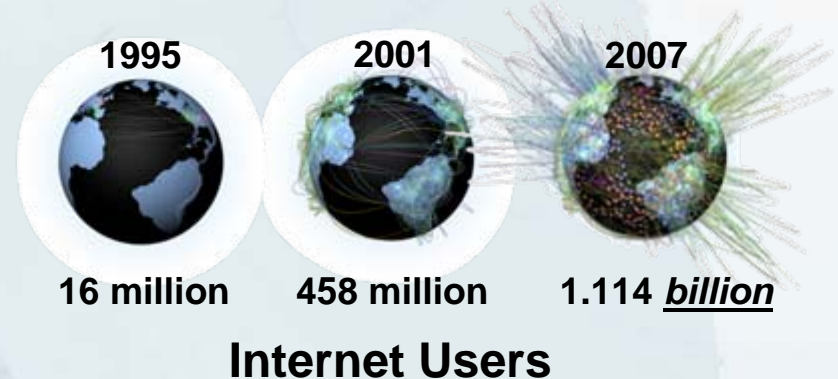




# Cyber Operations will Change Warfare

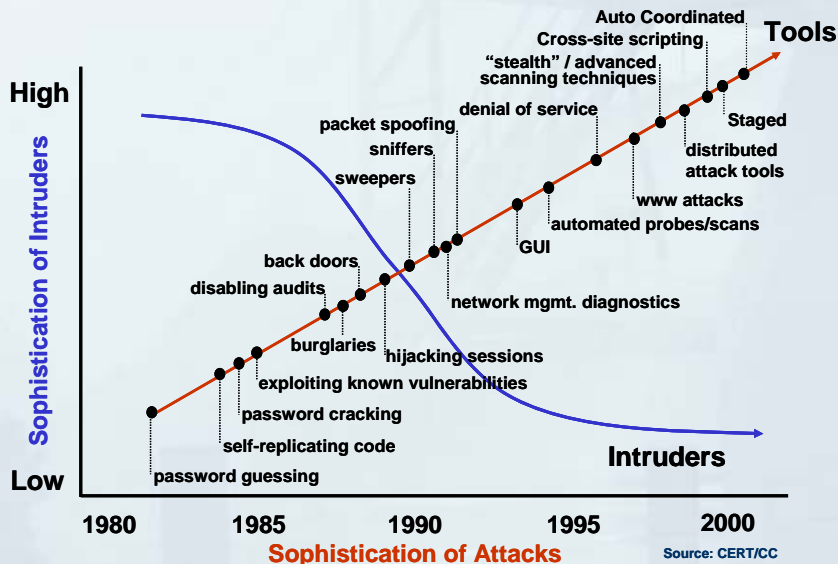


The importance of cyberspace as an arena of conflict will only grow as the world becomes more wired



There is tremendous risk in not investing in CNO:

- Ultimate WMD – Potential to create social, political, military, and economic havoc
- Highly asymmetric
  - Could be relatively cheap
  - Deliverable from strategic distance
  - Very stealthy





# Cyber Operations Governance



**General Kevin P. Chilton**  
CDR USSTRATCOM



**Lt Gen Croom**  
CDR JTF-GNO  
**BG Napper**  
DEP CDR JTF-GNO

## Headquarters (4)



OSD (x2)



DOD IG



Joint Staff

## Services (4)



Army



Air Force



Navy



Marine Corps

## NetOps Ctrs (7)



DISA (x7)

Operational Control of Service  
Network Operations and Security Centers

## Combatant Commanders (10)



SOCOM



CENTCOM



EUCOM



PACOM



SOUTHCOM



STRATCOM



NORTHCOM



JFCOM



TRANSCOM

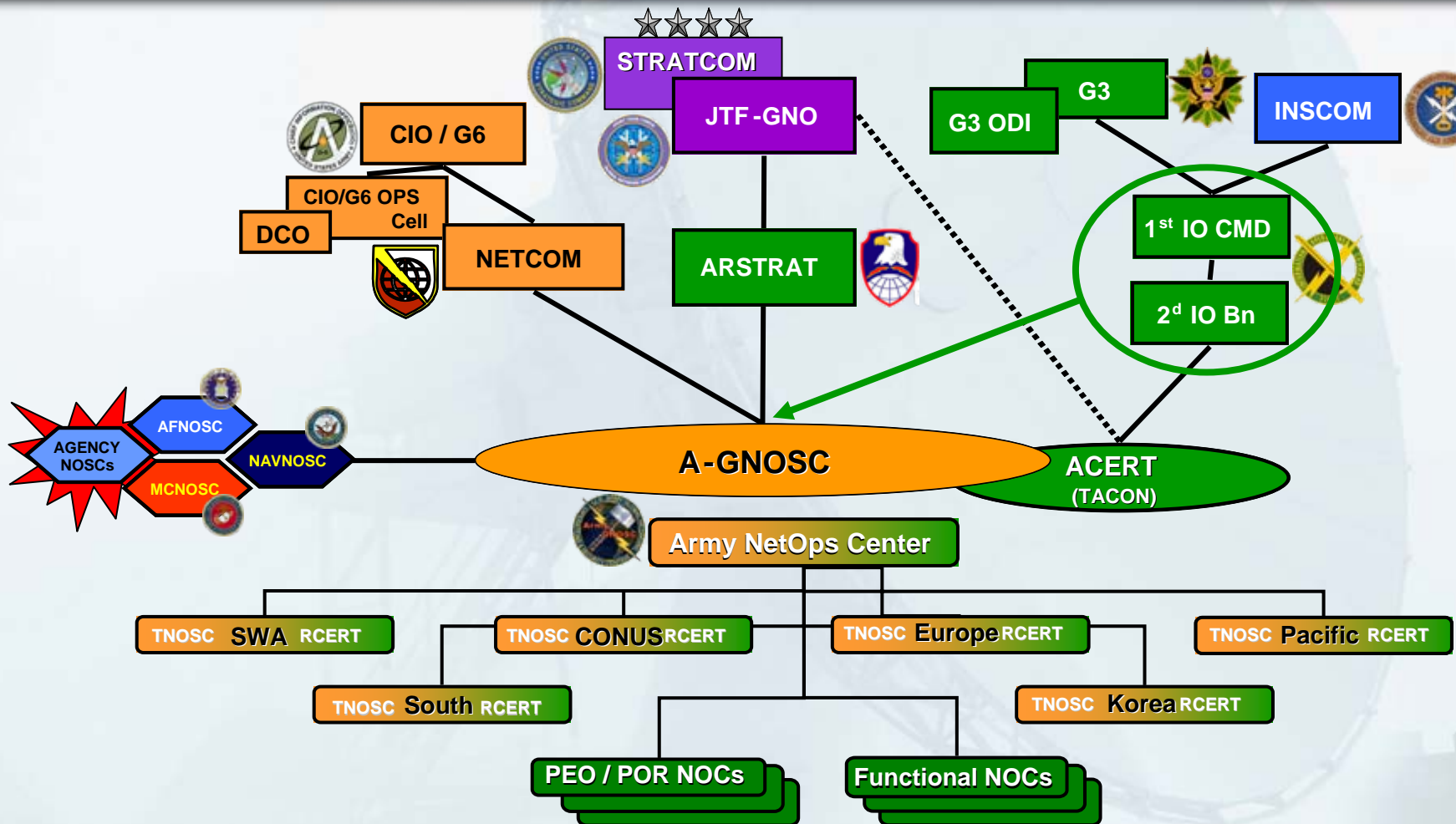


AFRICOM

**Agencies**  
**Field Activities**  
**Others (40)**



# Army Cyber Operations Support



**Cyberspace:** “A global domain within the information environment consisting of the interdependent network of information technology infrastructures that includes the Internet, telecommunications networks, computer systems, and embedded processors and controllers in critical industries.”






DepSecDef Memorandum – 21 Feb 08





# CIO/G-6 Focus Areas



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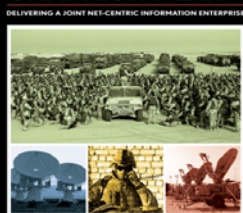


# The IM/IT Strategic Context



## WHAT WILL BE DONE

2008-2015  
ARMY CIO/G-6  
CAMPAIGN PLAN

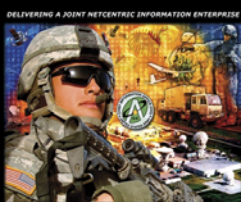


2008 2009 2010 2011 2012 2013 2014 2015

## FUNDING TO GET IT DONE

FY08-FY09 Budget FY09 Budget Update FY10-FY11 Budget FY11 Budget Update FY12-FY13 Budget FY13 Budget Update FY14-FY15 Budget FY15 Budget Update

ARMY CIO/G-6  
500-DAY PLAN  
AUGUST 2007



## HOW IT WILL BE DONE

## HOW ARE WE DOING IN GETTING IT DONE?

- ❶ CIO/G-6 Campaign Plan is the long-term strategic plan
  - *What will be done*
- ❷ IM/IT POMs/ Budgets are the operational plans
  - *Funding to get it done*
- ❸ CIO/G-6 500-Day Plans are the tactical execution plans
  - *How it will be done*
- ❹ Rolling 100-Day Performance Reviews manage execution of the tactical plans
  - *How are we doing in getting it done?*



# Army CIO/G-6 Strategic Goals



1

Develop and maintain a secure, seamless, interdependent LandWarNet Network by leading development and enforcing the use of integrated enterprise architecture

2

Lead enterprise integration to achieve decision superiority by transforming processes, applications and data into net-centric capabilities across the Army

3

Protect and defend the Army's systems, networks, and information

4

Ensure Army information management and information technology investments maximize Joint and Army capabilities

5

Develop the Army's information technology and information management knowledge and skills to support mission needs

6

Deliver an integrated enterprise strategy that influences Joint and Army use of information management and information technology in furthering the warfighting capabilities





# Army CIO/G-6 Strategic Goals



## Army CIO/G-6 Strategy Map

**VISION:** Deliver a Joint, net-centric information enterprise enabling warfighter decision superiority

ENDS

Develop LandWarNet  
Operational Capabilities

Develop the LandWarNet  
Institutional Infrastructure

**MISSION:** Provide architecture, governance, portfolio management, strategy, C4IT acquisition oversight and operational capabilities to enable Joint expeditionary, net-centric information dominance for the Army.

WAYS

Develop and maintain a secure, seamless, interdependent LandWarNet network by leading development and enforcing use of an integrated architecture.

Lead enterprise integration to achieve decision superiority by transforming processes, applications, and data into net-centric capabilities across the Army.

Protect and defend the Army's systems, networks, and information.

Ensure Army information management and information technology investments maximize Army and Joint capabilities.

Develop Army's information management and information technology knowledge and skills to support mission needs.

Deliver an integrated enterprise strategy that influences Joint and Army use of information management and information technology in furthering warfighting capabilities.

MEANS

Secure financial resources.






Secure human resources.

Secure relationships with science and industry to influence technology.



# CIO/G-6 Focus Areas



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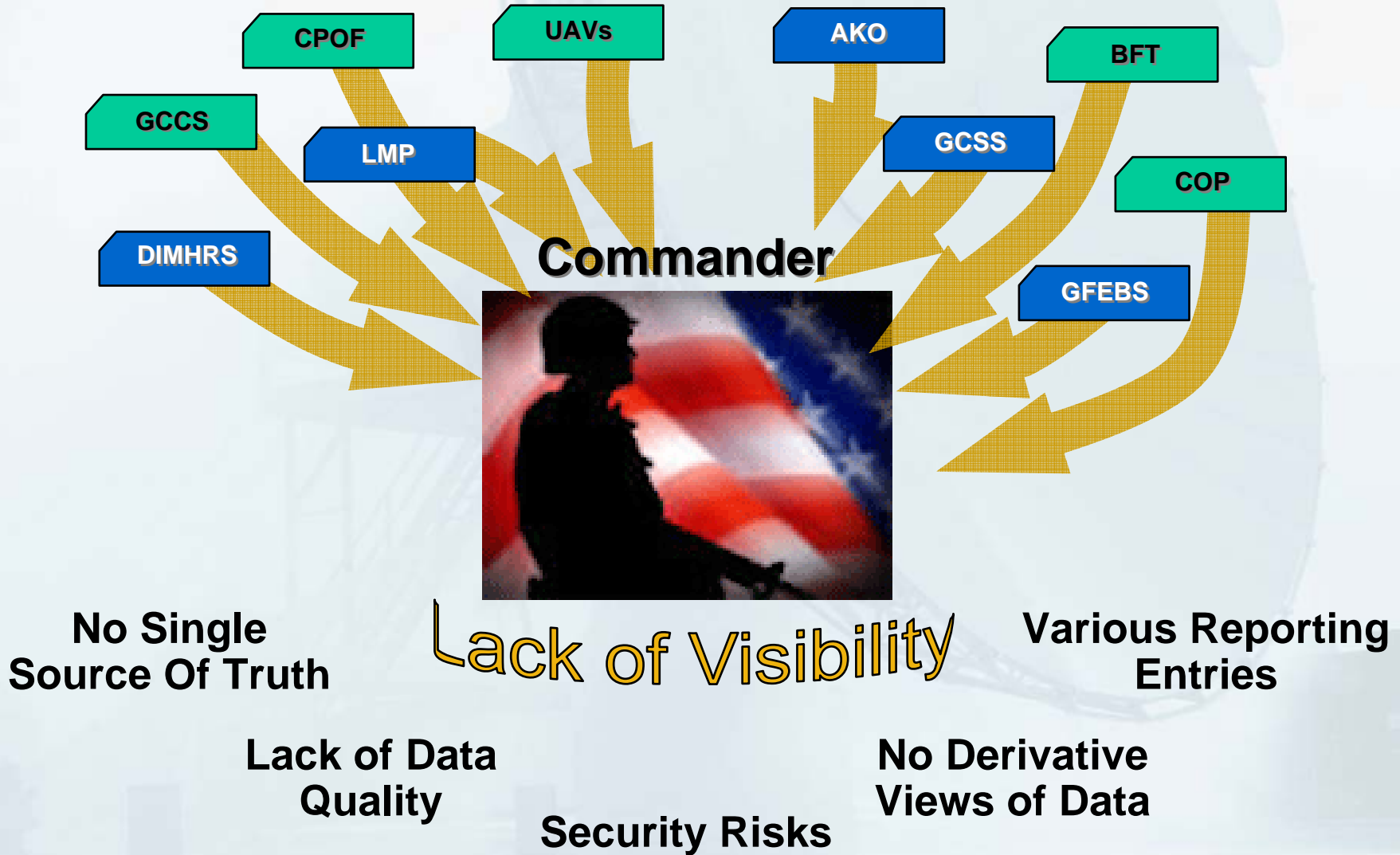
# Multiple Reporting Systems and the Need for Change...





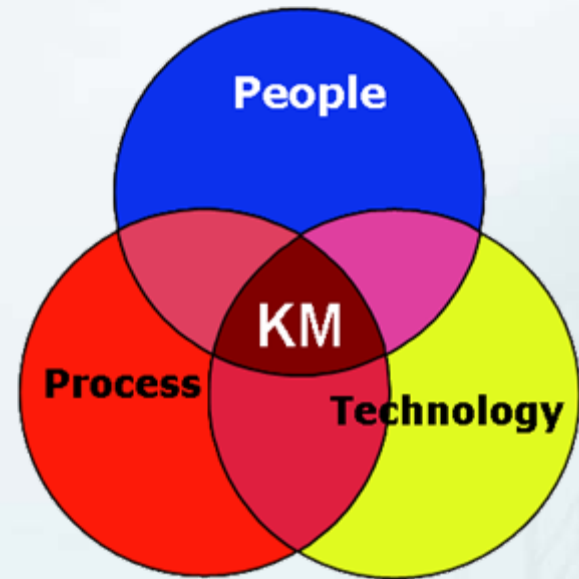


# Multiple Reporting Systems and the Need for Change...





# Army KM – Organizing Framework



## People:

- ✓ Foster culture that encourages and rewards sharing
- ✓ Identify & develop knowledge managers
- ✓ Motivate personnel to use tools & portals

## Process:

- ✓ Link KM to organizational processes
- ✓ Leverage “best known” practices

## Technology:

- ✓ Enables enterprise-wide knowledge transfer
- ✓ Knowledge portals (i.e. AKO/DKO/JKO, SharePoint, BCKS, Best of Breed, etc.)
- ✓ Secure the network



# Chief Data Officer

## VISION:

Transform the Army to best exploit a Net-Enabled Environment which allows Warfighters and decision makers access to data in a timely and secure manner regardless of the environment

US Commander



### Key:

ANCDS CoE: Army Net-Centric Data Strategy Center of Excellence

ADHIWG: Army Data Harmonization and Integration Working Group

JCA: Joint Capability Areas

COI: Communities of Interest





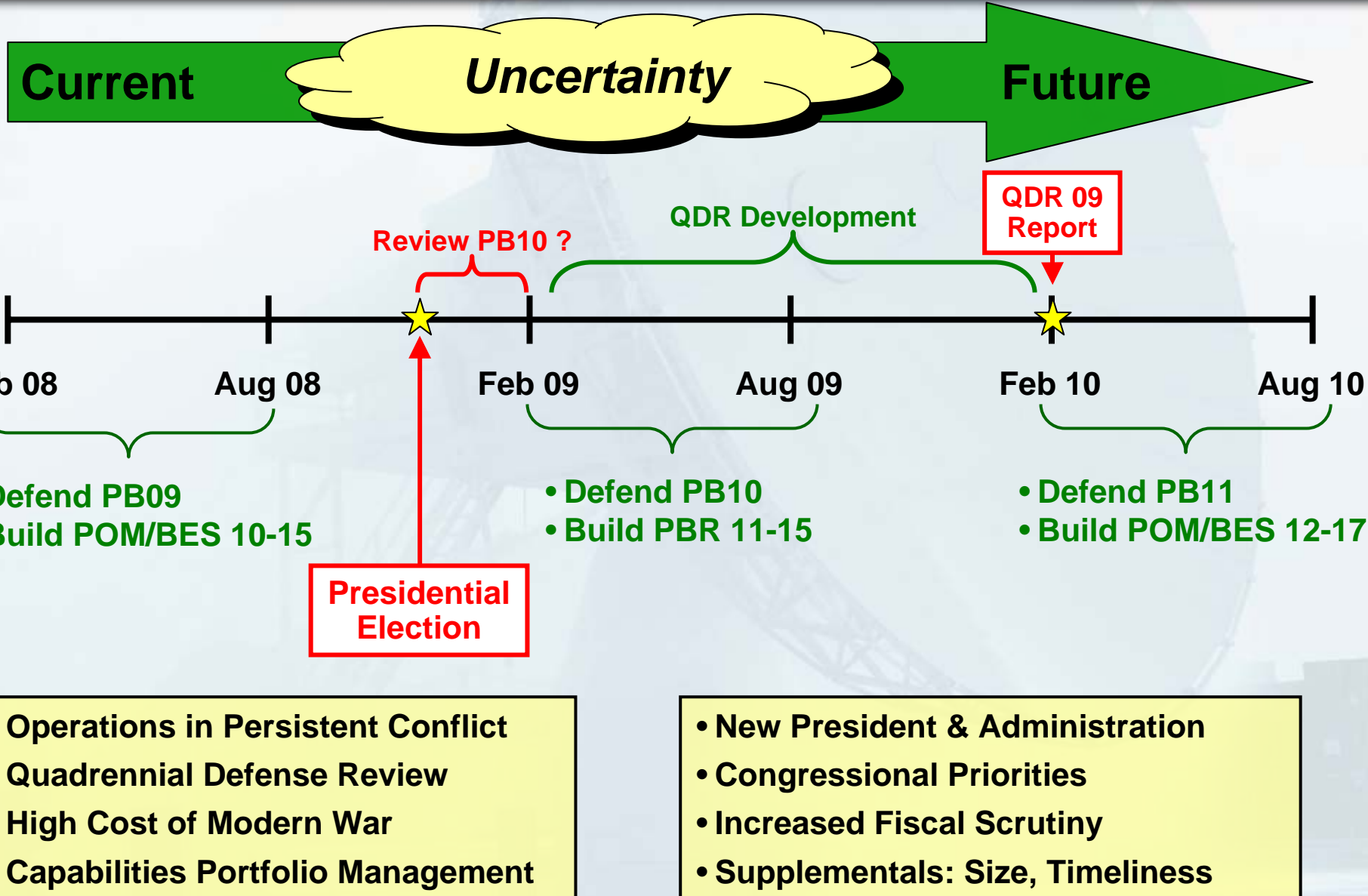
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# POM 10-15 – Period of Uncertainty





# Intent of POM 10-15



- Restore balance by the end of 2011
- Develop a program to enable an expeditionary, campaign-capable Army across the Total Force
- Develop and retain sufficient strategic flexibility and operational depth in a environment of uncertainty
- Sustain an All-Volunteer Force
- Meet the demands of the National Security Strategy in an era of Persistent Conflict
- Examine the program requirements and garner the maximum capabilities and value possible





# Distribution of C4/IT Funding

...Across 6 PEGs (FY 2009 Budget)



## Organizing PEG: \$449M

- Army Knowledge Online (AKO)
- Network Information Services Agency-Pentagon (NISA-P)

## Sustaining PEG: \$217M

- Global Combat Service Support- Army (GCSS-A)
- Deployment Automation

## Equipping PEG: \$6.0B

- MILSATCOM
- Warfighter Information Network- Tactical (WIN-T)
- Joint Tactical Radio System (JTRS)
- Force 21 Battle Command Brigade & Below (FBCB2)
- Army Battlefield Command System (ABCS)

## Training PEG: \$640M

- Distance Learning
- NETCOM

## Manning PEG: \$375M

- Army Recruiter Information System (ARIS)
- HRC Automation
- MEPCOM Automation

## Installation PEG: \$2.25B

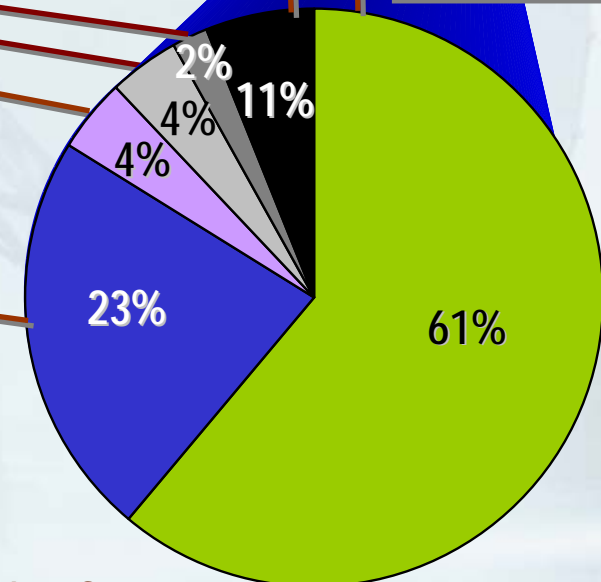
- Installation Information Infrastructure Modernization Plan (I3MP)
- Reserve Component Automation System (RCAS)
- Long Haul (NIPR, SIPR & DSN)
- Base Support
- Information Assurance (IA)

**Total Army Funding**

**\$139B**

## C4/IT Funding

- \$9.97B
- 7.2% of Army TOA





# Army Top 10 "Programs" & IT \$\$



MDEP DESCRIPTION	FY09
FUTURE COMBAT SYSTEM (FCS)	\$2.0 Billion
TACTICAL NETWORK COMMUNICATIONS	\$790 Million
BASE INFORMATION MANAGEMENT OPERATIONS	\$392 Million
BASE COMMUNICATIONS	\$392 Million
9TH ARMY SIGNAL COMMAND	\$365 Million
FORCE XXI BATTLE COMMAND BRIGADE & BELOW (FBCB2)	\$298 Million
ARMY BATTLE COMMAND SYSTEM (ABCS) INTEGRATION	\$289 Million
LONG HAUL COMMUNICATIONS	\$255 Million
INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM (I3MP)	\$250 Million
MILITARY SATELLITE COMMUNICATIONS (MILSATCOM)	\$243 Million

**The Army runs the world's largest portal (AKO/DKO), and is the single largest customer of Microsoft, Dell, MPC, and Linux, and in the HP top-5**



# Conclusions!!!



## Posturing for Persistent Conflict

*...driving an Expeditionary Army*



## CIO/G-6 Focus Areas

*...NSC, Cyber Ops, 500-Day Plan, KM & Data Czar*



## Army Way Ahead

*...working key programs & initiatives in POM*



## Shared Situational Awareness

*...Bottom Line to Joint Warfighter*





# QUESTIONS + THOUGHTS



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*Chief Information Officer/G-6*

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